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FILE 'MEDLINE, CAPLUS, BIOSIS, SCISEARCH' ENTERED AT 19:00:29 ON 30 OCT 2002

L1 45 S WHEAT(5A) STARCH(W) SYNTHASE
L2 33 DUP REM L1 (12 DUPLICATES REMOVED)

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L2 ANSWER 1 OF 33 CAPLUS COPYRIGHT 2002 ACS
IN Commuri, Padma; Keeling, Peter L.; Ramirez, Nona; McKean, Angela; Gao, Zhong; Guan, Hanping
TI Chimeric genes and starch synthases with heterologous glucan-binding and glycosyltransferase domains and transgenic plants producing altered starch
SO PCT Int. Appl., 264 pp.
CODEN: PIXXD2

L2 ANSWER 2 OF 33 CAPLUS COPYRIGHT 2002 ACS
IN Morell, Matthew Kennedy; Topping, David; Batey, Ian Leslie
TI Mutations in starch synthase II resulting in reduced amylopectin content and higher dietary fiber of grain
SO PCT Int. Appl., 107 pp.
CODEN: PIXXD2

L2 ANSWER 3 OF 33 CAPLUS COPYRIGHT 2002 ACS
IN Allen, Stephen M.; Beckles, Diane M.; Thorpe, Catherine J.
TI Protein and cDNA sequences of rice and wheat starch synthase DU1 sequence homologs and their use in altering the accumulation of carbohydrates in plants and seeds
SO U.S. Pat. Appl. Publ., 18 pp.
CODEN: USXXCO

L2 ANSWER 4 OF 33 CAPLUS COPYRIGHT 2002 ACS
IN Singletary, George W.; Zhou, Lan
TI Starch synthase from Canna edulis, its protein and cDNA sequence and their use in the production of new starches
SO U.S., 47 pp.
CODEN: USXXAM

L2 ANSWER 5 OF 33 CAPLUS COPYRIGHT 2002 ACS DUPLICATE 1
AU Epstein, J.; Morris, C. F.; Huber, K. C.
TI Instrumental Texture of White Salted Noodles Prepared from Recombinant Inbred Lines of Wheat Differing in the Three Granule Bound Starch Synthase (Waxy) Genes
SO Journal of Cereal Science (2002), 35(1), 51-63
CODEN: JCSCDA; ISSN: 0733-5210

L2 ANSWER 6 OF 33 CAPLUS COPYRIGHT 2002 ACS
IN Allen, Stephen M.; Broglie, Karen E.; Thorpe, Catherine J.
TI Protein and cDNA sequences of plant starch synthase isoform V, and uses thereof
SO PCT Int. Appl., 29 pp.
CODEN: PIXXD2

- L2 ANSWER 7 OF 33 CAPLUS COPYRIGHT 2002 ACS DUPLICATE 2
 AU Peng, Mingsheng; Hucl, Pierre; Chibbar, Ravindra N.
 TI Isolation, characterization and expression analysis of starch synthase I
 from wheat (*Triticum aestivum* L.)
 SO Plant Science (Shannon, Ireland) (2001), 161(6), 1055-1062
 CODEN: PLSCE4; ISSN: 0168-9452
- L2 ANSWER 8 OF 33 CAPLUS COPYRIGHT 2002 ACS
 AU Yanagisawa, Takashi; Kiribuchi-Otobe, Chikako; Yoshida, Hisashi
 TI An alanine to threonine change in the Wx-D1 protein reduces GBSS I
 activity in waxy mutant wheat
 SO Euphytica (2001), 121(3), 209-214
 CODEN: EUPHAA; ISSN: 0014-2336
- L2 ANSWER 9 OF 33 CAPLUS COPYRIGHT 2002 ACS
 IN Morell, Matthew; Li, Zhongyi; Rahman, Sadequr; Appels, Rudolph
 TI **Wheat starch synthases** and cDNAs and genes
 and uses in plant breeding and alteration of plant starch composition or
 content
 SO PCT Int. Appl., 209 pp.
 CODEN: PIXXD2
- L2 ANSWER 10 OF 33 CAPLUS COPYRIGHT 2002 ACS
 AU Gao, Ming; Chibbar, Ravindra N.
 TI Isolation, characterization, and expression analysis of starch synthase
 IIa cDNA from wheat (*Triticum aestivum* L.)
 SO Genome (2000), 43(5), 768-775
 CODEN: GENOE3; ISSN: 0831-2796
- L2 ANSWER 11 OF 33 MEDLINE DUPLICATE 3
 AU Li Z; Mouille G; Kosar-Hashemi B; Rahman S; Clarke B; Gale K R; Appels R;
 Morell M K
 TI The structure and expression of the **wheat starch
 synthase III** gene. Motifs in the expressed gene define the lineage
 of the starch synthase III gene family.
 SO PLANT PHYSIOLOGY, (2000 Jun) 123 (2) 613-24.
 Journal code: 0401224. ISSN: 0032-0889.
- L2 ANSWER 12 OF 33 CAPLUS COPYRIGHT 2002 ACS
 AU Yan, L.; Bhave, M.
 TI Sequences of the waxy loci of wheat: utility in analysis of waxy proteins
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 SO Biochemical Genetics (2000), 38(11/12), 391-411
 CODEN: BIGEBA; ISSN: 0006-2928
- L2 ANSWER 13 OF 33 CAPLUS COPYRIGHT 2002 ACS
 AU Demeke, Tigst; Hucl, Pierre; Chibbar, Ravindra N.
 TI Frequent absence of GBSS 1 B isoprotein in endosperm starch of Canadian
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 CODEN: STARD; ISSN: 0038-9056
- L2 ANSWER 14 OF 33 CAPLUS COPYRIGHT 2002 ACS
 AU Marcoz-Ragot, C.; Gateau, I.; Koenig, J.; Delaire, V.; Branlard, G.
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 SO Plant Breeding (2000), 119(4), 305-309
 CODEN: PLABED; ISSN: 0179-9541
- L2 ANSWER 15 OF 33 MEDLINE DUPLICATE 4

- AU Vrinten P L; Nakamura T
 TI **Wheat granule-bound starch synthase I and II**
 are encoded by separate genes that are expressed in different tissues.
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 Journal code: 0401224. ISSN: 0032-0889.
- L2 ANSWER 16 OF 33 CAPLUS COPYRIGHT 2002 ACS DUPLICATE 5
 AU Li, Z.; Rahman, S.; Kosar-Hashemi, B.; Mouille, G.; Appels, R.; Morell,
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 CODEN: THAGA6; ISSN: 0040-5752
- L2 ANSWER 17 OF 33 CAPLUS COPYRIGHT 2002 ACS
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 TI The localization and expression of the class II starch synthases of wheat
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 CODEN: PLPHAY; ISSN: 0032-0889
- L2 ANSWER 18 OF 33 CAPLUS COPYRIGHT 2002 ACS
 AU Graybosch, R. A.; Schemmerhorn, K. J.; Skerritt, J. H.
 TI An enzyme-linked immunosorbent assay for the identification of wheats
 carrying null alleles at genetic loci encoding the granule-bound starch
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 SO Journal of Cereal Science (1999), 30(2), 159-163
 CODEN: JCSCDA; ISSN: 0733-5210
- L2 ANSWER 19 OF 33 CAPLUS COPYRIGHT 2002 ACS
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 TI Isolation and characterization of the four Waxy genes encoding the
 granule-bound starch synthase in tetraploid wheats
 SO Applied Biological Science (1999), 5(1), 31-42
 CODEN: ABSCF8; ISSN: 1341-5573
- L2 ANSWER 20 OF 33 CAPLUS COPYRIGHT 2002 ACS
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 pericarp of wheat
 SO Plant Physiology (1998), 118(2), 451-459
 CODEN: PLPHAY; ISSN: 0032-0889
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 AU Briney, Ann; Wilson, Robin; Potter, Robert H.; Barclay, Iain; Crosbie,
 Graham; Appels, Rudi; Jones, Mike G. K.
 TI A PCR-based marker for selection of starch and potential noodle quality
 in
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 SO Molecular Breeding (1998), 4(5), 427-433
 CODEN: MOBRFL; ISSN: 1380-3743
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 Skerritt, J. H.
 TI Identification and characterization of U.S. wheats carrying null alleles
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- SO Cereal Chemistry (1998), 75(1), 162-165
CODEN: CECHAF; ISSN: 0009-0352
- L2 ANSWER 23 OF 33 CAPLUS COPYRIGHT 2002 ACS
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214-221
CODEN: SROCDO; ISSN: 0260-6291
- L2 ANSWER 24 OF 33 CAPLUS COPYRIGHT 2002 ACS
AU Jenner, C. F.; Sharma, R.
TI Temperature dependence of soluble starch synthase in the storage tissues
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SO Special Publication - Royal Society of Chemistry (1997), 205(Starch),
204-213
CODEN: SROCDO; ISSN: 0260-6291
- L2 ANSWER 25 OF 33 CAPLUS COPYRIGHT 2002 ACS
AU Jenner, C. F.; Denyer, K.; Guerin, J.
TI Thermal characteristics of soluble starch synthase from wheat endosperm
SO Australian Journal of Plant Physiology (1995), 22(4), 703-9
CODEN: AJPPCH; ISSN: 0310-7841
- L2 ANSWER 26 OF 33 CAPLUS COPYRIGHT 2002 ACS
AU Taira, T.; Fujita, N.; Takaoka, K.; Uematsu, M.; Wadano, A.; Kozaki, S.;
Okabe, S.
TI Variation in the primary structure of waxy proteins (granule-bound starch
synthase) in diploid cereals
SO Biochemical Genetics (1995), 33(7/8), 269-81
CODEN: BIGEBA; ISSN: 0006-2928
- L2 ANSWER 27 OF 33 CAPLUS COPYRIGHT 2002 ACS
AU Jenner, C. F.; Hawker, J.S.
TI Sink strength: soluble starch synthase as a measure of sink strength in
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CODEN: PLCEDV; ISSN: 0140-7791
- L2 ANSWER 28 OF 33 CAPLUS COPYRIGHT 2002 ACS
AU Keeling, P. L.; Bacon, P. J.; Holt, D. C.
TI Elevated temperature reduces starch deposition in wheat endosperm by
reducing the activity of soluble starch synthase
SO Planta (1993), 191(3), 342-8
CODEN: PLANAB; ISSN: 0032-0935
- L2 ANSWER 29 OF 33 CAPLUS COPYRIGHT 2002 ACS
AU Jenner, C. F.; Siwek, K.; Hawker, J. S.
TI The synthesis of [14C]starch from [14C]sucrose in isolated wheat grains
is
dependent upon the activity of soluble starch synthase
SO Australian Journal of Plant Physiology (1993), 20(3), 329-35
CODEN: AJPPCH; ISSN: 0310-7841
- L2 ANSWER 30 OF 33 CAPLUS COPYRIGHT 2002 ACS
AU Ainsworth, Charles; Clark, Joanna; Balsdon, John
TI Expression, organization and structure of the genes encoding the waxy
protein (granule-bound starch synthase) in wheat

SO Plant Molecular Biology (1993), 22(1), 67-82
 CODEN: PMBIDB; ISSN: 0167-4412

L2 ANSWER 31 OF 33 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AU CALEY C Y; DUFFUS C M; JEFFCOAT B
 TI EFFECTS OF ELEVATED TEMPERATURE AND REDUCED WATER UPTAKE ON ENZYMES OF
 STARCH SYNTHESIS IN DEVELOPING WHEAT GRAINS.
 SO AUST J PLANT PHYSIOL, (1990) 17 (4), 431-440.
 CODEN: AJPPCH. ISSN: 0310-7841.

L2 ANSWER 32 OF 33 CAPLUS COPYRIGHT 2002 ACS DUPLICATE 6
 AU Rijven, Antonius H. G. C.
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 SO Plant Physiol. (1986), 81(2), 448-53
 CODEN: PLPHAY; ISSN: 0032-0889

L2 ANSWER 33 OF 33 CAPLUS COPYRIGHT 2002 ACS
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 TI A sensitive and simple assay of starch synthase activity with pyruvate
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